Each alternate pair of panels shall have a textured surface finish as shown, and shall be alternated with pairs having a smooth finish. The intersection of every two panels having the same finish shall point toward the road as shown.

**Plan**

Face of wall toward road

**Elevation**

Top of wall

36 (900) min. embankment at low point of finished grade (typ.)

**General Notes**

Loading for 80 mph (130 km/h) wind with 30% gust factor, normal to wall.

Allowable Stresses:
- Concrete: $f_c = 3,300$ psi (24 MPa)
- Prestressing Steel: $f'_p = 37,000$ psi (250 MPa)
- Reinforcing Steel: $f_y = 40,000$ psi (270 MPa)
- Structural Steel: $f_y = 20,000$ psi (138 MPa)
- Bearing pressure: $= 1.25$ tsf (120 kPa)

All dimensions are in inches (millimeters) unless otherwise shown.

**Section B-B**

Threaded inserts for $\frac{3}{8}$ (M12) bolts, precut or field drilled, as necessary, into panels.

Showing typical metal band connector dimensions.

**Section A-A**

Coarse aggregate backfill

**Elevation**

(Showing installation of wall in irregular ground)

**Sight Screen**

**Concrete Panel Wall**

**Precast Prestressed**

**General Notes**

Loading for 80 mph (130 km/h) wind with 30% gust factor, normal to wall.

Allowable Stresses:
- Concrete: $f_c = 3,300$ psi (24 MPa)
- Prestressing Steel: $f'_p = 37,000$ psi (250 MPa)
- Reinforcing Steel: $f_y = 40,000$ psi (270 MPa)
- Structural Steel: $f_y = 20,000$ psi (138 MPa)
- Bearing pressure: $= 1.25$ tsf (120 kPa)

All dimensions are in inches (millimeters) unless otherwise shown.

**General Notes**

Loading for 80 mph (130 km/h) wind with 30% gust factor, normal to wall.

Allowable Stresses:
- Concrete: $f_c = 3,300$ psi (24 MPa)
- Prestressing Steel: $f'_p = 37,000$ psi (250 MPa)
- Reinforcing Steel: $f_y = 40,000$ psi (270 MPa)
- Structural Steel: $f_y = 20,000$ psi (138 MPa)
- Bearing pressure: $= 1.25$ tsf (120 kPa)

All dimensions are in inches (millimeters) unless otherwise shown.
**SECTION E-E**

(For panels with smooth surface finish)

No. 4 (No. 13) bars shall be alternated above and below prestressing strands.

**NOTE**

Each prestressing strand shall be stressed to 16,000 lbs. (71.2 kN).

Each strand is 18 (450) cts. (100) at B cts.

* 5° left or right as required by geometry of wall.

**SECTION D-D**

(For panels with textured surface finish)

No. 4 (No. 13) bars shall be alternated above and below prestressing strands.

**NOTE**

Each prestressing strand shall be stressed to 16,000 lbs. (71.2 kN).

Each strand is 18 (450) cts. (100) at B cts.

* 5° left or right as required by geometry of wall.

**TEXTURED SURFACE FINISH DETAIL**

Smooth vertical border each side

Pitch may vary from 19 (38) to 25 (65), but shall be constant for entire width of panel.

**SIGHT SCREEN PRECAST PRESTRESSED CONCRETE PANEL WALL**

Nominal Panel Size

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>8'-0&quot; x 9'-0&quot;</td>
<td>6</td>
<td>12</td>
<td>9</td>
<td>6</td>
</tr>
<tr>
<td>8'-0&quot; x 11'-0&quot;</td>
<td>3</td>
<td>5</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>8'-0&quot; x 13'-0&quot;</td>
<td>(3)</td>
<td>11</td>
<td>6</td>
<td>16</td>
</tr>
<tr>
<td>8'-0&quot; x 15'-0&quot;</td>
<td>(3)</td>
<td>14</td>
<td>6</td>
<td>16</td>
</tr>
</tbody>
</table>

1 (23) min., 2 (50) max.

NOTE: 

t = thickness of form liner used to obtain surface finish.

Ribs shall be irregular, fractured or chipped appearance.

**PANEL ELEVATION**

(Showing location of metal band connector)